PATENT COOPERATION TREATY

INTERNATION	NAL SEARCH	ING AUTHO	RITY	_			
To: GERALD D. MALPASS, JR. EXXONMOBIL UPSTREAM RESEARCH COMPANY				PCT			
CORP-URC-SW348 P.O. BOX 2189 HOUSTON, TX 77252-2189				1	WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY		
					(PCT Rule 43 <i>bis</i> .1)		
				Date of mailing (day/month/year)	12 JAN 2006		
Applicant's or agent's file reference				FOR FURTHER ACTION See paragraph 2 below			
2004UR013							
International application No.		International filing da	(day/month/year) Priority date (day/month/year)				
PCT/US05/17	363		17 May 2005 (17.05.2	005) 20 May 2004 (20.05.2004)			
			r both national classific				
	21/00; E04B 5	/00 and US C	Cl.: 52/745.02, 67, 79	334, 284, 414, 270, 7	96.1, 794.1, 650.3		
Applicant							
EXXONMOB	IL UPSTREA	M RESEARC	CH COMPANY				
1. This opini	ion contains in	dications rela	ting to the following ite	ems:			
⊠ Bo	Box No. I Basis of the opinion						
Bo	Box No. II Priority						
Во	ox No. III	Non-establishment of opinion with regard to novelty, inventive step and industrial applicability					
	ox No. IV	Lack of unity of invention					
⊠ Bo	ox No. V	Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement					
Во	ox No. VI	Certain documents cited					
Во	ox No. VII	Certain defects in the international application					
Во	ox No. VIII	Certain observations on the international application					
2. FURTH	ER ACTION	ſ					
If a demand for international preliminary examination is made, this opinion will be considered to be a written opinion of the International Preliminary Examining Authority ("IPEA") except that this does not apply where the applicant chooses an Authority other than this one to be the IPEA and the chosen IPEA has notified the International Bureau under Rule 66.1bis(b) that written opinions of this International Searching Authority will not be so considered.							
If this opinion is, as provided above, considered to be a written opinion of the IPEA, the applicant is invited to submit to the IPEA a written reply together, where appropriate, with amendments, before the expiration of 3 months from the date of mailing of Form PCT/ISA/220 or before the expiration of 22 months from the priority date, whichever expires later.							
For further options, see Form PCT/ISA/220.							
3. For further details, see notes to Form PCT/ISA/220.							
Name and mai	iling address of	the ISA/ US	Date of comp	letion of this opinion	Authorized officer - 44		
Mail Stop PCT, Attn: ISA/US Commissioner for Patents			21 December	2005 (21.12.2005)	Naoko Slack		
P.O. Box 1450 Alexandria, Virginia 22313-1450			2. 200		V Telephone No. (571) 272-6848		

Facsimile No. (571) 273-3201
Form PCT/ISA/237 (cover sheet) (April 2005)

WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No.
PCT/US05/17363

INTERNATIONAL SEARCEM						
Box No. I Basis of this opinion						
1. With regard to the language, this opinion has been established on the basis of:						
the international application in the language in which	n it was filed					
a translation of the international application into, w international search (Rules 12.3(a) and 23.1(b)).	hich is the language of a translation furnished for the purposes of					
 With regard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the claimed invention, this opinion has been established on the basis of: 						
a. type of material						
a sequence listing						
table(s) related to the sequence listing						
b. format of material						
on paper						
in electronic form						
c. time of filing/furnishing						
contained in the international application as filed.						
filed together with the international application in	electronic form.					
furnished subsequently to this Authority for the pur						
3. In addition, in the case that more than one version or cop or furnished, the required statements that the informatic application as filed or does not go beyond the application	y of a sequence listing and/or table(s) relating thereto has been filed on in the subsequent or additional copies is identical to that in the as filed, as appropriate, were furnished.					
4. Additional comments:						

WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No. PCT/US05/17363

Par No V	Reasoned statement under Rule 43 bis.1(a)(i) with regard to novelty, inventive step or industrial
DUX 110. Y	recastled statement with a statement
	applicability; citations and explanations supporting such statement

1. Statement

Novelty (N)	Claims <u>1-19</u> Claims <u>20-25</u>	YES NO
Inventive step (IS)	Claims <u>1-19</u> Claims <u>20-25</u>	YES NO
Industrial applicability (IA)	Claims 1-25 Claims NONE	YES

2. Citations and explanations:

Claims 23-25 lack novelty under PCT Article 33(2) as being anticipated by US patent 4,282,619 to Rooney. Rooney discloses a roof panel comprising a steel truss structure (22-24, Figure 5), a steel barrier layer (50, Figure 5) placed atop the truss structure, and a concrete plate (51, Figure 5) placed over the barrier.

Claims 20-22 lack an inventive step under PCT Article 33(3) as being obvious over US Patent 6,673,412 to Ramesh et al. and US Patent 6,484,464 to Ochoa.

Ochoa discloses a panel comprising a concrete plate (10) and steel beam (12). While Ochoa does not disclose the finishing layers atop the concrete plate, it is well known in the art to finish a panel with insulating and covering materials of preference. For example, Ramesh et al. discloses placing a moisture barrier atop a concrete layer (column 1, lines 34-39) to prevent passage of water vapor. Furthermore, an insulation layer (12) and an uppermost metallic layer (17) are placed atop the moisture barrier.

Claims 1-7 meet the criteria set out in PCT Article 33(2)-(3), because the prior art does not teach or fairly suggest a containment system comprising a floor slab, a primary container positioned on the floor slab and a secondary container peripherally positioned around the primary container, the secondary container comprising a plurality of joined steel-concrete wall panels attached to the floor slab.

Claims 8-19 meet the criteria set out in PCT Article 33(2)-(3), because the prior art does not teach or fairly suggest a method of assembling a containment system by pouring a flat slab, erecting a secondary container with an end wall and two side walls, moving a primary container into the secondary container, and erecting a second end wall to enclose the primary container.

Claims 1-25 meet the criteria set out in PCT Article 33(4), and thus claims 1-25 meet industrial applicability because the subject matter claimed can be made or used in industry.

WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No.
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Box No. VIII Certain observations on the international application

The following observations on the clarity of the claims, description, and drawings or on the questions whether the claims are fully supported by the description, are made:

Claim 23 is objected to under PCT Rule 66.2(a)(v) as lacking clarity under PCT Article 6 because claim 23 is indefinite for the following reason(s): In line 2, "the wall" should probably be - - the roof - -.